

MULTIMEDIA



UNIVERSITY

STUDENT IDENTIFICATION NO

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MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2017/2018

PCA0084 – COMPUTER SYSTEM AND WEB DESIGN

(All sections / Groups)

23 OCTOBER 2017

2.30 p.m – 4.30 p.m

(2 Hours)

INSTRUCTIONS TO STUDENT

1. This Question paper consists of 3 pages with 5 Questions only.
2. Attempt **ALL** questions. All questions carry equal marks and the distribution of the marks for each question is given.
3. Please write all your answers in the Answer Booklet provided.

QUESTION 1

a) Answer the following questions based on Figure 1.

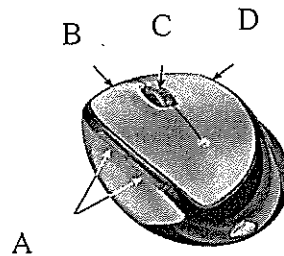


Figure 1

(i) What is the name of the device and what is its function?

(2 marks)

(ii) Name and describe the function of buttons A, B, C and D.

(8 marks)

b) The processor, also called the central processing unit (CPU) will interpret and carries out the basic instructions that operate a computer. It contains a control unit and an arithmetic logic unit (ALU). For every instruction, a processor repeats a set of four basic operations, which comprise a machine cycle. Explain the **FOUR (4)** steps in a machine cycle to perform a calculation of 100×50 .

(8 marks)

c) Describe what a mobile printer is, and what a label printer is.

(2 marks)

(Total: 20 marks)

Continued...

QUESTION 2

- a) Describe **FIVE (5)** types of business software and its applications.

(10 marks)

- b) Describe the **FOUR (4)** steps on how disk cache works.

(10 marks)

(Total: 20 marks)

QUESTION 3

- a) Provide examples of **FIVE (5)** utility programs.

(10 marks)

- b) Differentiate between the function of groupware and voice mail.

(10 marks)

(Total: 20 marks)

Continued...

QUESTION 4

- a) A database management system (DBMS) is a computer-software application that interacts with end-users, other applications, and the database itself. Explain in **FOUR (4)** points what users can do with database management system (DBMS)?

(8 marks)

- b) What is the purpose of using video compression? Suggest and explain **THREE (3)** common video formats for video compression.

(12 marks)

(Total: 20 marks)

QUESTION 5

- a) Explain how intrusion detection software works.

(8 marks)

- b) Suggest any **FOUR (4)** types of technologies used in enterprises.

(12 marks)

(Total: 20 marks)

End of Paper